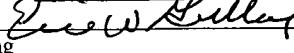




I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA
22313-1450 on April 12, 2004

Eric W. Guttag

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
Irene SPITSBERG et al. : Group Art Unit:
Serial No. 10/748,520 : Confirmation No.:
Filed: December 30, 2003 :
For: CERAMIC COMPOSITIONS USEFUL IN THERMAL BARRIER COATINGS
HAVING REDUCED THERMAL CONDUCTIVITY

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.56, 1.97 AND 1.98
(WITHIN 3 MONTHS OF FILING OR PRIOR TO FIRST OFFICE ACTION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

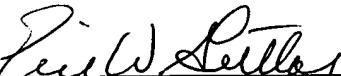
In accordance with 37 CFR 1.56, 1.97 and 1.98, Applicants request the Examiner to make of record the documents listed on the attached PTO-1449 forms. Copies of the listed documents that are not U.S. patent documents are also enclosed. In accordance with MPEP 609, the Examiner is requested to initial each document listed on the attached PTO-1449 forms in the space provided, make a copy of the initialed forms, and return the copy to Applicants' attorney.

Applicants also request the Examiner to consider and make of record certain copending U.S. applications that are listed in the attached Table entitled "Copending U.S. Patent Applications." Copies of the copending applications listed in the attached table are also enclosed. In accordance with MPEP 609, the Examiner is requested to initial each copending application listed on the attached Table in the space provided, make a copy of the initialed Table, and return the copy to Applicants' attorney.

This paper and the enclosed documents are being submitted in accordance with 37 CFR 1.97(b), i.e., within three (3) months of the application filing date or prior to a first Office Action on the merits.

Respectfully submitted,

For: Spitsberg et al.

By: 
Eric W. Guttag

Attorney for Applicants
Registration No. 28,853
(513) 229-0383
Customer No. 31838

April 12, 2004

COPENDING U.S. PATENT APPLICATIONS

Examiner Initial	Applicant(s)	Serial No.	Filing Date	Attorney Docket No.
	Gorman et al	10/748,516	12/30/03	127051
	Boutwell et al	10/748,517	12/30/03	127084
	Darolia et al.	10/748,519	12/30/03	128895
	Spitsberg et al.	10/748,508	12/30/03	129967
	Spitsberg et al	10/748,521	12/30/03	130706
	Spitsberg et al	10/748,518	12/30/03	130707
	Spitsberg et al	10/748,513	12/30/03	143385



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 129968

Complete if Known

Application Number	10/748,520
Filing Date	December 30, 2003
First Named Inventor	Irene Spitsberg
Art Unit	
Examiner Name	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	US-	3,525,597		08/25/70	Mazdiyasi et al	
	US-	4,535,033		08/13/85	Stecura	
	US-	5,876,860		03/02/99	Marijnissen et al	
	US-	6,015,630		01/18/00	Padture et al	
	US-	6,025,078		02/15/00	Rickersby et al	
	US-	6,117,560		09/12/00	Maloney	
	US-	6,177,200		01/23/01	Maloney	
	US-	6,231,991 B1		05/15/01	Maloney	
	US-	6,261,643 B1		07/17/01	Hasz et al.	
	US-	6,284,323 B1		09/04/01	Maloney	
	US-	6,312,832 B1		11/06/01	Alperine et al	
	US-	6,333,118 B1		12/21/01	Alperine et al	
	US-	6,447,854 B1		09/10/02	Rigney et al	
	US-	6,461,107 B1		10/08/02	Lee et al	
	US-	6,461,108 B1		10/08/02	Lee et al	
	US-	2002/1072838 A1		11/21/02	Rigney et al	
	US-	2003/0077477 A1		04/24/03	Bruce et al	
	US-	2003/0129316 A1		06/10/03	Darolia et al	
	US-	2003/0059633 A1		03/27/03	Ackerman et al	
	US-	2003/0108768 A1		06/12/03	Subramanian	
	US-	2003/0049470 A1		03/13/03	Maloney	
	US-	2003/0224200 A1		12/04/03	Bruce	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) volume-issue number(s), publisher, city and/or country where published.	T ²
		HWANG et al, <i>Grain Size Control Of Tetragonal Zirconia Polycrystals Using the Sapce Charge Concept</i> , J. Am. Ceram. Soc., (1990), 73(11):3269-77	
		KIM, "Effect of Ta ₂ O ₅ , Nb ₂ O ₅ , and HfO ₂ Alloying on the Transformability of Y ₂ O ₃ -Stabilized Tetragonal ZrO ₂ ", J. Am. Ceram. Soc., 73(1):115-120	
		NAKAYAMA et al., "Effect of La ₂ O ₃ Addition on Thermal Stability of Y-TZP," J. Mat. Sci. Lett., 18:1339-41 (1999)	
		VASSEN et al., "Zirconates as New Materials for Thermal Barrier Coatings," J. Am. Ceram. Soc., 83(8):2023-28 (2000)	

Examiner Signature		Date Considered	
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